

SEQUENCE LISTING

<110> CropDesign N.V.

<120> Plants having increased yield and method for making the same

<130> CD-106-PCT

<150> US 60/532,287

<151> 2003-12-22

<160> 5

<170> PatentIn version 3.3

<210> 1

<211> 1311

<212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

<223> A variant of the coding sequence of the sequence deposited under accession number NM_121168 contains a G instead of C on position 851 and a T instead of C on position 1295

<400> 1

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gtacaggaga	gttttgtacg	aataacgaga	tcacgagcta	aaaaagccat	gggaagagga	120
gtatcaatac	ctccaacaaa	accttctttt	aaacagcaaa	agagacgtgc	agtacttaag	180
gatgtgagta	atacctctgc	agatattatt	tattcagaac	ttcgaaaggg	aggcaacatc	240
aaggcaaaaca	gaaaatgtct	aaaagagcct	aaaaaagcag	caaaggaagg	tgctaacagt	300
gccatggata	ttctggtaga	tatgcataca	gaaaaatcaa	aattagcaga	agatttgtcc	360
aagatcagga	tggtgaagc	ccaagatgtc	tctctttcaa	actttaaaaga	tgaagaaatt	420
actgagcaac	aagaagatgg	atcagggtgc	atggagttac	ttcaagttgt	agatattgat	480
tccaacgtcg	aagatccaca	gtgttgacgc	ttgtatgctg	ctgatataata	tgacaacata	540
catgttgacg	agcttcaaca	acgacccttg	gctaattata	tgagagcttg	gcagcgagat	600
atcgaccacg	acatgagaaa	gattctgatt	gactggcttg	tagaagtttc	tgacgactac	660
aagctgggtc	cagatacgct	ttaccttaca	gtgaatctta	tcgaccggtt	tctgtccaac	720
agttacattg	aaaggcaaaag	actccagctc	cttgggtgtc	cttgcatgct	tatagcttca	780
aaatatgaag	agctttccgc	accaggggtg	gaggagtttt	gcttcattac	ggccaacaca	840
tacacaagac	cagaagtgc	gagcatggag	attcaaattc	taaattttgt	gcactttaga	900
ttatcgggtc	ctaccaccaa	aacatttctg	aggcggttca	ttaaagcagc	tcaagcttcg	960
tacaagggtg	ctttcattga	actggagtat	ttagcaaact	atctcgccga	attgacactg	1020
gtggaatata	gtttcctaag	gttcctgcca	tcactaattg	ctgcttcagc	tgttttccta	1080
gcccgatgga	cactcgacca	aactgaccat	ccttgggaacc	ctactctgca	acactacacc	1140
agatatgagg	tagctgagct	gaagaacaca	gttctcgcca	tgaggagact	gcagctcaac	1200
accagtggct	gtactctcgc	tgccaccctg	gagaaataca	accaaccaaa	gtttaagagc	1260
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<210> 2

<211> 436

<212> PRT

<213> Arabidopsis thaliana

<220>

<221> MISC_FEATURE

<223> A variant of the sequence deposited under accession number NP_568248 contains an arginine instead of a proline on position

284 and a phenylalanine instead of a serine on position 432

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Ser	Thr	Ser	Asp	Val	Gln	Glu	Ser	Phe	Val	Arg	Ile	Thr	Arg	Ser	Arg
			20					25					30		
Ala	Lys	Lys	Ala	Met	Gly	Arg	Gly	Val	Ser	Ile	Pro	Pro	Thr	Lys	Pro
		35					40					45			
Ser	Phe	Lys	Gln	Gln	Lys	Arg	Arg	Ala	Val	Leu	Lys	Asp	Val	Ser	Asn
	50					55					60				
Thr	Ser	Ala	Asp	Ile	Ile	Tyr	Ser	Glu	Leu	Arg	Lys	Gly	Gly	Asn	Ile
65					70					75					80
Lys	Ala	Asn	Arg	Lys	Cys	Leu	Lys	Glu	Pro	Lys	Lys	Ala	Ala	Lys	Glu
				85					90					95	
Gly	Ala	Asn	Ser	Ala	Met	Asp	Ile	Leu	Val	Asp	Met	His	Thr	Glu	Lys
			100					105					110		
Ser	Lys	Leu	Ala	Glu	Asp	Leu	Ser	Lys	Ile	Arg	Met	Ala	Glu	Ala	Gln
		115					120					125			
Asp	Val	Ser	Leu	Ser	Asn	Phe	Lys	Asp	Glu	Glu	Ile	Thr	Glu	Gln	Gln
	130					135					140				
Glu	Asp	Gly	Ser	Gly	Val	Met	Glu	Leu	Leu	Gln	Val	Val	Asp	Ile	Asp
145					150					155					160
Ser	Asn	Val	Glu	Asp	Pro	Gln	Cys	Cys	Ser	Leu	Tyr	Ala	Ala	Asp	Ile
				165					170					175	
Tyr	Asp	Asn	Ile	His	Val	Ala	Glu	Leu	Gln	Gln	Arg	Pro	Leu	Ala	Asn
			180					185					190		
Tyr	Met	Glu	Leu	Val	Gln	Arg	Asp	Ile	Asp	Pro	Asp	Met	Arg	Lys	Ile
		195					200					205			
Leu	Ile	Asp	Trp	Leu	Val	Glu	Val	Ser	Asp	Asp	Tyr	Lys	Leu	Val	Pro
	210					215					220				
Asp	Thr	Leu	Tyr	Leu	Thr	Val	Asn	Leu	Ile	Asp	Arg	Phe	Leu	Ser	Asn
225					230					235					240
Ser	Tyr	Ile	Glu	Arg	Gln	Arg	Leu	Gln	Leu	Leu	Gly	Val	Ser	Cys	Met
				245					250					255	
Leu	Ile	Ala	Ser	Lys	Tyr	Glu	Glu	Leu	Ser	Ala	Pro	Gly	Val	Glu	Glu
			260					265					270		
Phe	Cys	Phe	Ile	Thr	Ala	Asn	Thr	Tyr	Thr	Arg	Pro	Glu	Val	Leu	Ser
		275					280					285			
Met	Glu	Ile	Gln	Ile	Leu	Asn	Phe	Val	His	Phe	Arg	Leu	Ser	Val	Pro
	290					295					300				

Thr Thr Lys Thr Phe Leu Arg Arg Phe Ile Lys Ala Ala Gln Ala Ser
 305 310 315 320
 Tyr Lys Val Pro Phe Ile Glu Leu Glu Tyr Leu Ala Asn Tyr Leu Ala
 325 330 335
 Glu Leu Thr Leu Val Glu Tyr Ser Phe Leu Arg Phe Leu Pro Ser Leu
 340 345 350
 Ile Ala Ala Ser Ala Val Phe Leu Ala Arg Trp Thr Leu Asp Gln Thr
 355 360 365
 Asp His Pro Trp Asn Pro Thr Leu Gln His Tyr Thr Arg Tyr Glu Val
 370 375 380
 Ala Glu Leu Lys Asn Thr Val Leu Ala Met Glu Asp Leu Gln Leu Asn
 385 390 395 400
 Thr Ser Gly Cys Thr Leu Ala Ala Thr Arg Glu Lys Tyr Asn Gln Pro
 405 410 415
 Lys Phe Lys Ser Val Ala Lys Leu Thr Ser Pro Lys Arg Val Thr Ser
 420 425 430
 Leu Phe Ser Arg
 435

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 <212> DNA
 <213> Oryza sativa

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 ttattgtaaa gttctacaaa gctaatttaa aagttattgc attaacttat ttcataattac 180
 aaacaagagt gtcaatggaa caatgaaaac catatgacat actataattt tgtttttatt 240
 attgaaatta tataattcaa agagaataaa tccacatagc cgtaaagttc tacatgtggt 300
 gcattaccaa aatatatata gcttacaaaa catgacaagc ttagtttgaa aaattgcaat 360
 ccttatcata ttgacacata aagtgagtga tgagtcataa tattattttc ttgctaccc 420
 atcatgtata tatgatagcc acaaagttac tttgatgatg atatcaaaga acatttttag 480
 gtgcacctaa cagaatatcc aaataatatg actcacttag atcataatag agcatcaagt 540
 aaaactaaca ctctaaagca accgatggga aagcatctat aaatagacaa gcacaatgaa 600
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 <213> Artificial sequence

<220>
 <223> primer PRM582

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<212> DNA
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<220>
<223> primer PRM583

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